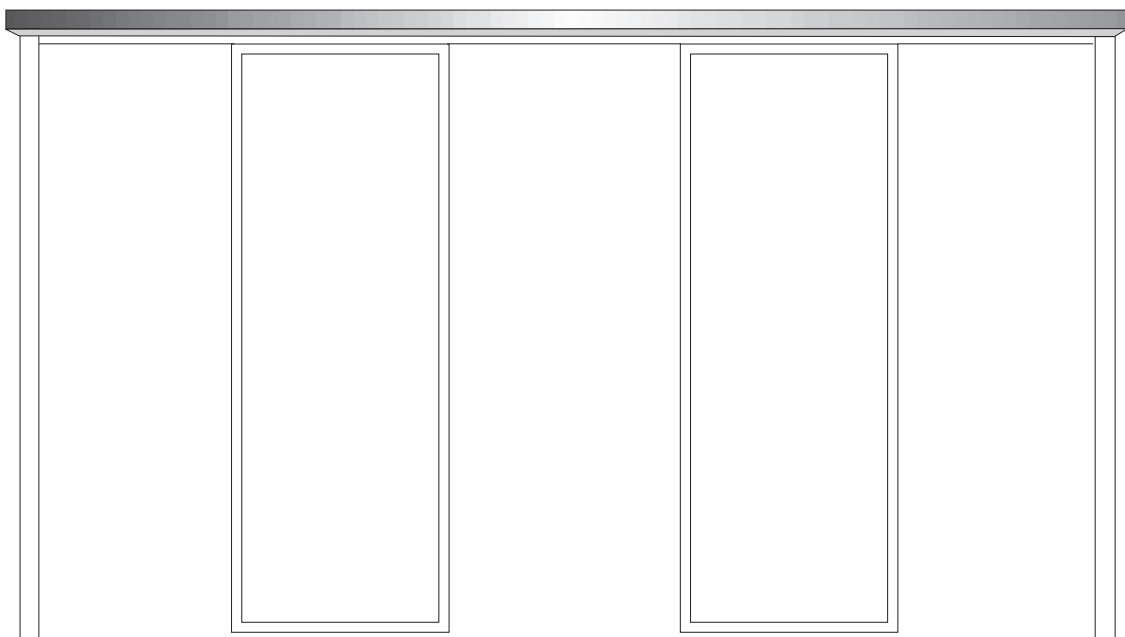




Slimdrive SL

Product family

EN Installation and service instructions

200277
2025-12_01

Contents

Symbols and illustrations.....	3
Revisions and validity.....	3
Product liability.....	3
Reference documents.....	3
1 General safety notes.....	4
1.1 Intended use.....	4
1.2 Safety notes.....	4
1.3 Safety-conscious working.....	5
1.4 Environmentally conscious working.....	5
1.5 Safety notes related to transportation and storage.....	5
1.6 Qualification.....	5
2 About this document.....	6
2.1 Overview.....	6
3 Overview.....	7
3.1 Diagrams.....	7
3.2 Tools and aids.....	7
3.3 Torques.....	7
3.4 Components and assembly groups.....	7
4 Installation.....	8
4.1 Preparations to be made on-site.....	8
4.2 Mounting the track.....	8
4.3 Mounting the floor guide.....	10
4.4 Installing the moving leaf.....	11
4.5 Assemble drive components.....	16
4.6 Installing cable guides.....	19
4.7 Connect the transformer ground.....	19
5 Production test and commissioning.....	20
5.1 Connecting the drive.....	20
5.2 Installing the drive cover.....	21
5.3 Mounting the safety devices.....	24
5.4 Installing operating elements/switches/push buttons.....	24
5.5 Commissioning the door system.....	24
5.6 Dismantling.....	24
6 Service and maintenance.....	24
6.1 Mechanical service.....	24
6.2 Maintenance.....	25
7 Troubleshooting.....	27
7.1 Mechanical faults.....	27
7.2 Replacing roller carriage.....	27
7.3 Electrical faults.....	28
8 Drive nameplate.....	29
9 Inspection of the installed door system.....	30
9.1 Protective measures to prevent and protect from hazardous areas.....	30
9.2 Installation checklist Slimdrive SL.....	30

Symbols and illustrations

Warning notices

In these instructions, warning notices are used to warn against material damage and injuries.

- ▶ Always read and follow these warnings.
- ▶ Follow all measures labelled with the warning symbol and warning word.

Warning symbol	Warning word	Meaning
	DANGER	Danger to persons. Non-compliance will result in death or serious injuries.
	WARNING	Danger to persons. Non-compliance can result in death or serious injuries.
	CAUTION	Danger to persons. Non-compliance can result in minor injuries.

Further symbols and illustrations

Important information and technical instructions are highlighted to explain correct operation.

Symbol	Meaning
	means "important note". Information to prevent property damage, to understand or optimise the operation sequences.
	means "additional Information"
	Symbol for an action: This means you must do something. ▶ If there are several actions to be taken, keep to the given order.

Revisions and validity

Version 01: valid for Slimdrive SL product family from date of manufacture 2026.

Product liability

In accordance with the manufacturer's liability for its products as defined in the German "Product Liability Act", compliance with the information contained in this brochure (product information and intended use, misuse, product performance, product maintenance, obligations to provide information and instructions) must be ensured. Failure to comply releases the manufacturer from its statutory liability.

Reference documents

Type	Name
Wiring diagram	Automatic sliding doors door control units DCU1-NT/DCU1-2M-NT
Additional wiring diagram	Automatic sliding doors DCU1-2M-NT, door controller DCU1-2M-NT for automatic sliding doors on rescue routes, FR-variants DUO, LL, RWS
User manual	Automatic sliding door systems
Faults and corrective measures	DCU1-NT/DCU1-2M-NT electronic drive for automatic sliding doors
Cable plan	Automatic sliding door systems
Safety analysis	Automatic sliding doors
Pre-installation instructions	Slimdrive SL product family
Installation instructions	Slimdrive SL girder section and side panel
Additional installation instructions	Rod locking

These documents are subject to change. Use only the most recent version.

1 General safety notes

1.1 Intended use

The sliding door system is used for the automatic opening and closing of a building passage.

The sliding door system may only be used in a vertical installation position and in dry rooms within the permitted application area.

The sliding door system is designed for pedestrian traffic in buildings.

The sliding door system is not designed for the following uses:

- for industrial use
- for area of application which do not serve pedestrian traffic (such as garage doors)
- on mobile objects such as ships

The sliding door system may only be used:

- in the modes of operation provided for by GEZE
- with the components approved / released by GEZE
- with the software delivered by GEZE
- in the installation variants / types of installation documented by GEZE
- within the tested/approved area of application (climate / temperature / IP rating)

Any other use is considered improper and will lead to the cancellation of all liability and warranty claims against GEZE.

1.2 Safety notes

- Intervention and modifications which influence the safety technology and functionality of the sliding door system may only be carried out by GEZE.
- Problem-free and safe operation assumes proper transportation, proper set-up and installation, qualified operation and correct maintenance have taken place.
- The relevant accident prevention regulations and other generally recognised safety-related or health & safety rules must be kept.
- Only original accessories, original spare parts and accessories approved by GEZE guarantee problem-free function of the sliding door system
- The mandatory installation, maintenance and repair work must be performed by properly trained personnel authorised by GEZE.
- The country-specific laws and regulations are to be observed during safety-related tests.
- If unauthorised changes are made to the system, GEZE cannot be held liable in any way whatsoever for any resulting damage, and the statement of approval for use in escape and rescue routes is no longer valid.
- GEZE does not accept any warranty for combinations with third-party products.
- Only original GEZE parts may be used for repair and maintenance work.
- Connection to the mains voltage must be carried out by a qualified electrician or a qualified electrician for specified tasks. Perform the mains connection and protective conductor test in accordance with VDE 0100 Part 600.
- Use an on-site circuit breaker as the mains disconnect device, with a rating appropriate to the type, cross-section, installation method and ambient conditions of the on-site power supply circuit
- . The circuit breaker must have a minimum rating of 4 A and a maximum rating of 16 A.
- Protect the display programme switch against unauthorised access.
- In compliance with Machinery Directive 2006/42/EC, a risk analysis must be performed and the door system identified in accordance with CE Marking Directive 93/68/EEC before the door system is commissioned.
- Observe the latest versions of guidelines, standards and country-specific regulations, in particular:
 - DIN 18650: "Powered pedestrian doors"
 - VDE 0100, Part 600: "Installation of low-voltage systems"
 - EN 16005 : "Power operated pedestrian doorsets; safety in use; Requirements and test methods"
 - DIN EN 60335-1 "Safety of electrical devices for home use and similar purposes - Part 1: General requirements"
 - EN 60335-2-103 : "Household and similar electrical appliances - Safety, Particular requirements for drives for gates, doors and windows"
 - Relevant regulations must be used for the selection of suitable fasteners e.g. the guidelines for planning and executing the installation of windows and front doors for new buildings and refurbishment issued by RAL Gütergemeinschaft Fenster und Haustüren e.V. (RAL Quality Institute for Windows and Doors).
- Do not loosen screwed, electric earthing connections.



Install/fit the product in such a way that it can be easily accessed for any repairs and/or maintenance with relatively little effort and that any removal costs are not disproportionate to the value of the product.

1.3 Safety-conscious working

- Secure workplace against unauthorised entry.
- Watch the swivelling range of long system parts.
- Never carry out work with a high safety risk (e.g. installing the drive, drive cover or door leaf) while alone.
- Secure the cover/drive panels against falling.
- Secure non-fixed components to prevent them falling.
- Only use the cables specified in the wiring schematic. Connect the shields according to the wiring diagram.
- Secure loose internal drive cables with cable ties.
- Before working on the electrical system:
 - Disconnect the drive from the 230 V mains and secure it against being switched back on again. Check isolation from power supply.
 - Disconnect the control unit from the 24 V rechargeable battery.
- Note that if an Uninterruptible Power Supply (UPS) is used, the system will still be supplied with voltage despite the fact that the power supply is disconnected.
- Always use insulated wire end ferrules for wire cores.
- Make sure of sufficient lighting.
- Use safety glass.
- Attach safety stickers to glass leaves.
- Danger of injury with opened drive. Hair, clothing, cables, etc. can be drawn in by rotating parts!
- Danger of injury caused by unsecured crushing, impact, drawing-in or shearing spots!
- Danger of injury due to glass breakage! Always only use safety glass.
- Danger of injury due to sharp edges on the drive and door leaf.
- Danger of injury during installation through freely moving parts!

1.4 Environmentally conscious working

- When disposing of the door system, separate the different materials and have them recycled.
- Do not dispose of batteries and rechargeable batteries with household waste.
- Comply with the statutory regulations when disposing of the door system and the batteries/rechargeable batteries.

1.5 Safety notes related to transportation and storage

- The door system and its parts are not built for hard impact or for falling from a height.
- ▶ Do not throw, do not drop.
- Storage temperatures below -30°C and above $+60^{\circ}\text{C}$ may cause damage to the device.
- Protect against humidity.
- Use special glass transport devices (e.g. A-frames) for transporting glass.
- Separate several panes on a frame or during storage using intermediate layers (e.g. cork pads, paper or plastic cords).
- Always store glass in a vertical position on level and load-bearing ground. Use suitable material as a support (e.g. wooden slats).
- In the case of insulating glass, make sure that it is placed flush across the entire element thickness on at least 2 supports.
- During storage and support, safety devices must not cause any damage to the glass or edge seal of ISO glass and must be attached flat on the glass pane surface.
- Dry, well ventilated, closed, weather-proof and UV-protected rooms are suitable as storage areas

1.6 Qualification

Observe country-specific regulations!

Applicable in Germany:

Companies which carry out the pre-mounting of sliding door drives for escape routes must be approved as an extended production facility by the testing institute which issued the type approval certificate.

2 About this document

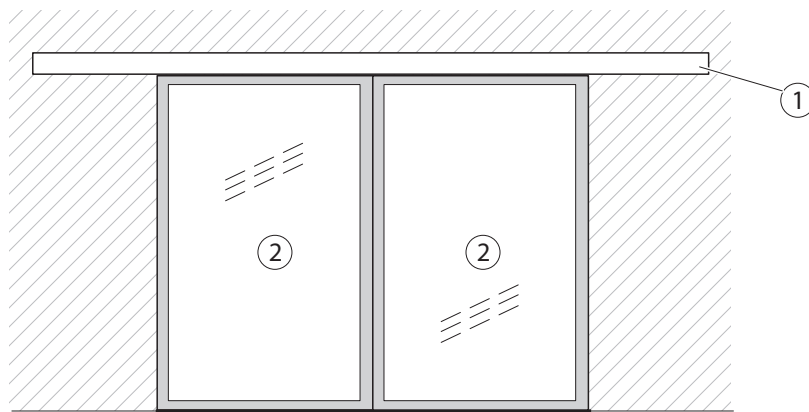
2.1 Overview

These instructions describe installation of automatic sliding door systems in the Slimdrive SL product family without side panel. The installation of the fixed panels and the girder section is described in the installation instructions "Girder section with fixed panel".

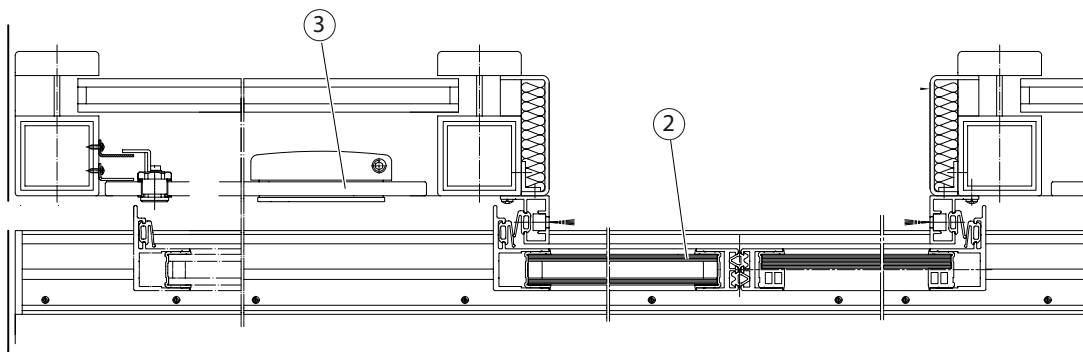


The following drawings illustrate installation with ISO profile systems. The IGG profile is also possible in combination with the Slimdrive SL.

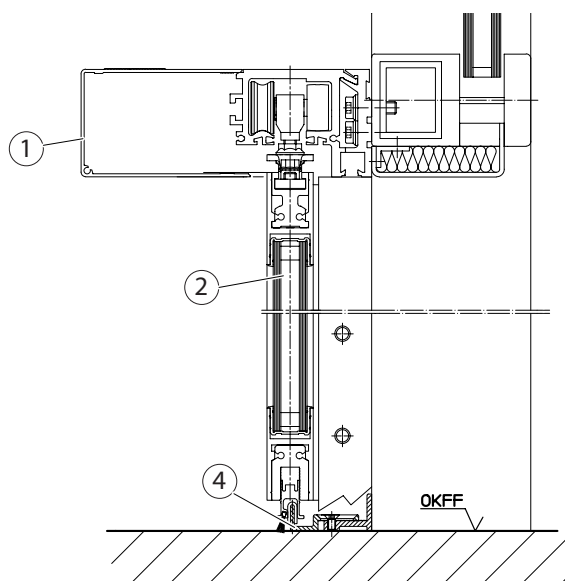
Front view (drive side)



View from above (Slimdrive SL/SL-FR with ISO profiles)



View from the side (Slimdrive SL/SL-FR with ISO profiles)



- 1 Sliding door system drive
- 2 Moving leaf
- 3 Safety leaf
- 4 Floor guide

3 Overview

3.1 Diagrams

Number	Type	Name
70484-0-030	Drive drawing	Slimdrive SL, drives
70717-ep01	Installation plan	Slimdrive SL/-FR, ISO self-supporting girder section
70717-ep03	Installation plan	Slimdrive SL girder section lintel installation
70484-ep01	Installation plan	Slimdrive SL/-FR, ISO post/beam
70484-ep04	Installation plan	Safety leaf for sliding door systems
70484-ep06	Installation plan	Floor lock for ISO
70484-ep15	Installation plan	Slimdrive SL with protective leaf
70484-ep27	Installation plan	Slimdrive SL/-FR, wooden leaf
70487-ep40	Installation plan	ISO with rod locking
70484-2-0574	Component drawing	Track, bespoke, SL
70717-2-0256	Component drawing	Mount, drilled SL/SLT
70487-2-0218	Component drawing	Mount, bespoke
70715-1-0159	Assembly group drawing	Floor guide continuous
70715-9-9818	Installation drawing	Continuous floor guide SL + SLT
70715-9-9835	Installation drawing	Insulated glass leaf SL
70717-9-0967	Installation drawing	Side panel SL/ST



The diagrams are subject to change without notice. Use only the most recent version.

3.2 Tools and aids

Tool	Size
Tape measure	
Marking pen	
Torque spanner	
Allen key	2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm
Open-ended spanner	8 mm, 10 mm, 13 mm, 15 mm, 13 mm flat (GEZE specialised tool)
Ring spanner	8 mm
Screwdriver set	Slotted up to 6 mm, cross-slot PH2 and PZ2
Torx key	Tx 20 (bit insert length at least 110 mm)
Side-cutting pliers	
Crimping pliers for cables	
Wire stripper	
Multimeter	
Display programme switch/Service terminal ST 220/myGEZE Connects	

3.3 Torques

The torques are given at the respective installation step.

3.4 Components and assembly groups

See the ep-drawing for the required installation situation and drive drawings.

4 Installation



- ▶ Secure workplace against unauthorised entry.
- ▶ Always work with a second person.
- ▶ Use a stepladder or stepstool.
- ▶ Keep inside area of track clean.

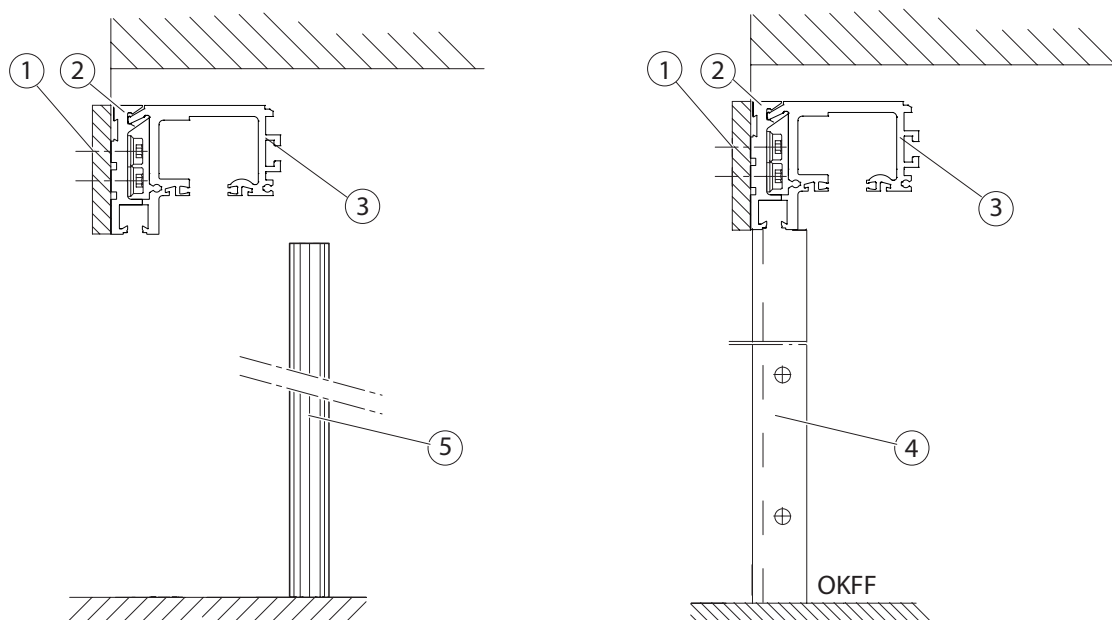
4.1 Preparations to be made on-site



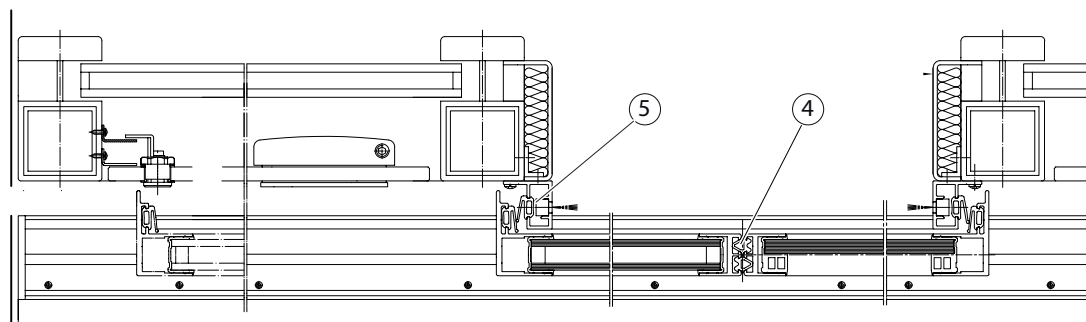
- ▶ Check the preparations made on-site by the customer to ensure proper installation:
 - Type and load capacity of the façade construction or suspending frame
 - Flatness of the installation surface
 - Flatness of the finished floor level
 - Cable plan requirements

4.2 Mounting the track

View from the side



View from above



- | | | | |
|---|-----------------------|---|----------------|
| 1 | Fastening drill holes | 4 | Sealing strips |
| 2 | Mounting profile | 5 | Wall strips |
| 3 | Track | | |

- ▶ Determine the installation height of the mounting profile (2).
Take unevenness of wall and floor into account.
- ▶ Align the mounting profile (2) horizontally.
- ▶ Mark the fastening drill holes (1).
- ▶ Prepare the cable guide according to the on-site conditions, such holding the cap on the left side of the

- mounting profile (2) and moving the cable guide over it.
- ▶ Remove the mounting profile.
- ▶ Drill fastening holes (1) the mounting profile.
- ▶ Cut out mounting profile (2) in the marked place.
- ▶ Align the mounting profile (2) in the installation area and use it as a drilling template.
- ▶ Drill the drill holes.
- ▶ Screw on mounting profile (2).
- ▶ Hang the track (3) with pre-assembled assembly groups and cap in the mounting profile.
- ▶ Align the track laterally.
- ▶ Install the sealing profiles (4).
- ▶ Press rubber seal into the draught sealing profiles.

With 1-leaf door systems:

- ▶ Install the wall strips (5).

Clamping the track with clamping strips



WARNING!

Danger of injury!

Unsecured components may fall when under load.

- ▶ Remove the cap with side plate.

The track (3) is clamped to the mounting profile (1) using clamping strips (2) to fix the track (3) and prevent it from twisting.

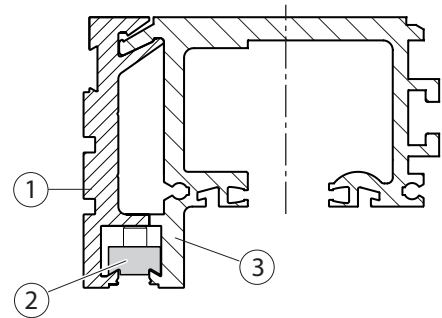
- ▶ Slide clamping strips (2) between the mounting profile (1) and the track (3).

Post/rail version:

- ▶ Position inner clamping strips (2) at the level of the inner posts and position others between them.

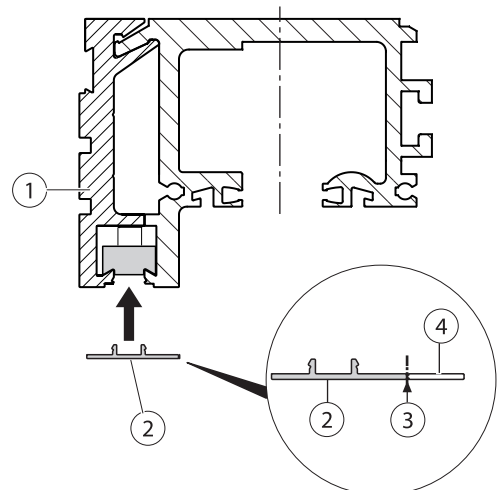
Wall and ceiling installation:

- ▶ Position inner clamping strips (2) as required.
- ▶ Re-install the cap with side plate.
- ▶ Position one clamping strip (2) on the outsides of the mounting profile/track as follows:
 - Left at the transition between the cap and track
 - Right with appropriate distance to the end of the track.



Mounting the cover

- ▶ Disconnect the cover (2) at the disconnection point (3) from the residual piece (4).
- ▶ Dispose of the residual piece.
- ▶ If necessary, slide the cover (2) in to the mounting profile (1).



4.3 Mounting the floor guide



- The selection of floor guide depends on the on-site conditions. One of the following floor guide options must be used.
- For further information see the respective installation drawing, Chapter 4.1.

4.3.1 Fitting the angled floor guide for floor installation (Option)

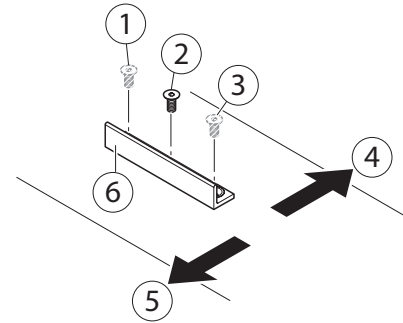
Angled floor guide with moving leaf left hand slide to open

- ▶ Screw the angled floor guide (6) in place using 2 suitable countersunk screws (1) and (2).

Angled floor guide with moving leaf right hand slide to open

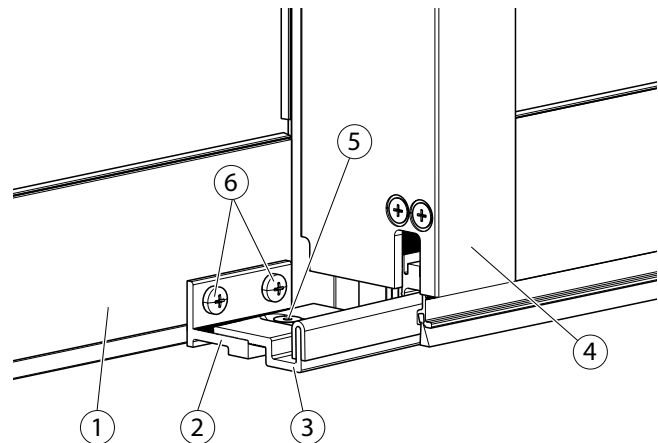
- ▶ Screw the angled floor guide (6) in place using 2 suitable countersunk screws (3) and (2).

- 1 Countersunk screw for moving leaf left hand slide to open
- 2 Countersunk screw
- 3 Countersunk screw for moving leaf right hand slide to open
- 4 outside
- 5 inside
- 6 Angled floor guide



4.3.2 Adjustable angled floor guide wall mounting (Option)

- ▶ Screw the mounting bracket (2) onto the side panel (1) with two screws (6) (tightening torque 10 Nm).
- ▶ Align the moving leaf (4) and thereby the adjusting angle (3).
- ▶ Tighten the screw (5).
- ▶ If there is no fixed panel available, mount the floor guide on the wall using suitable attachment material.



4.3.3 Continuous floor guide (Option)



- For assembly of the continuous floor guide, see the "Continuous floor guide" component drawing.
- For further information see the respective installation drawing, Chapter 4.1.

4.4 Installing the moving leaf

4.4.1 Install the door suspension plates on the moving leaf

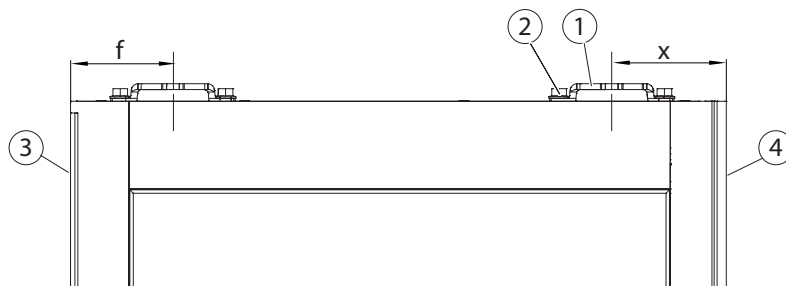


The door suspension plates are installed during glazing of the moving leaves. In case of subsequent installation of the door suspension plates, the frames of the moving leaves must be dismantled (see installation instructions for moving leaves).



See the installation drawing for the moving leaf for the position of the bracket support (distance x, y and overhang).

Installing the door suspension plates



- 1 Door suspension plate
- 2 Screws
- 3 Secondary closing edge
- 4 Main closing edge

- Screw the door suspension plates (1) to the moving leaf using screws (2).
- Do **not** tighten the screws yet.

4.4.2 Installing the connecting arm and driver

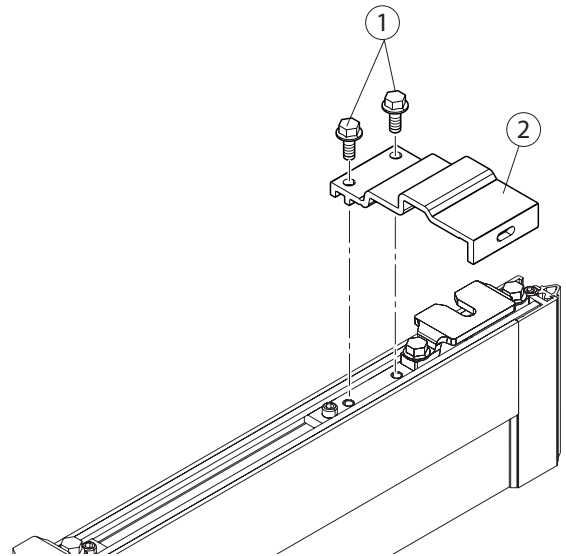


- Drivers must not touch any obstacle over the entire travel path.
- See the drive drawing for the precise position of the driver.

Double leaf

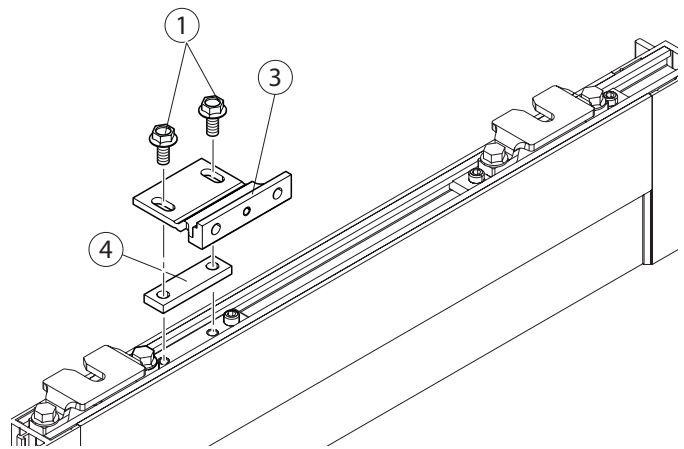
Mounting the long driver:

- Use 2 hexagon screws (1) to screw the long driver (2) to the left moving leaf (torque 15 Nm).



Mounting the short driver:

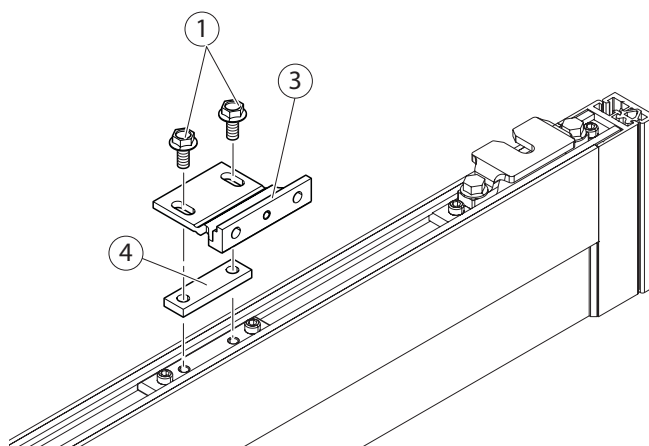
- Use 2 hexagon screws (1) and intermediate plate (4) to screw the short driver (3) to the right moving leaf (torque 15 Nm).



1-leaf

Installing the connecting arm and short driver:

- Use 2 hexagon screws (1) and intermediate plate (4) to screw the short driver (3) to the moving leaf (torque 15 Nm).



4.4.3 Fitting the moving leaves

**WARNING!**

Danger of injury caused by moving leaf falling over!

The moving leaves are very heavy.

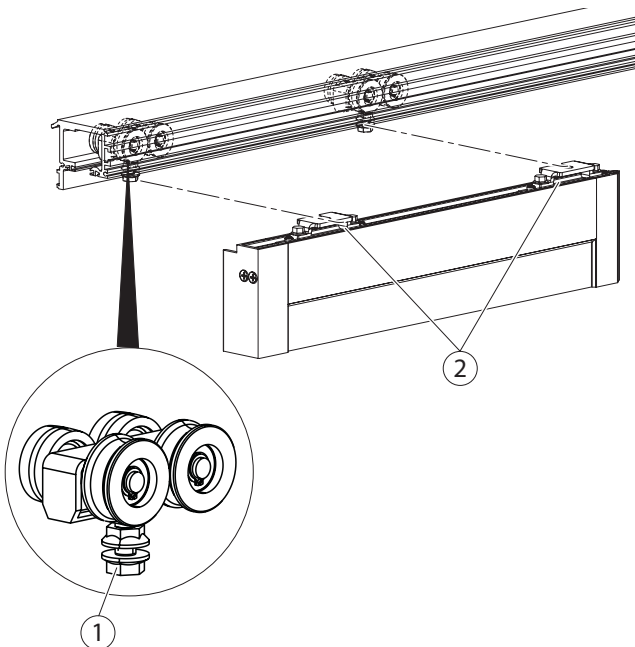
- At least 2 people should work together to set up the moving leaves.

**WARNING!**

Danger of injury due to glass breakage!

- At least 2 people should work together to set up the moving leaves.

- Release the roller carriage from the transport safety, push the stop buffer outward.
- Hang door suspension plates (2) from the front into the suspension bolts of two roller carriages.
- Secure the moving leaf using lock nuts (1). Do **not** tighten the lock nuts (1) yet.



4.4.4 Adjusting the moving leaves

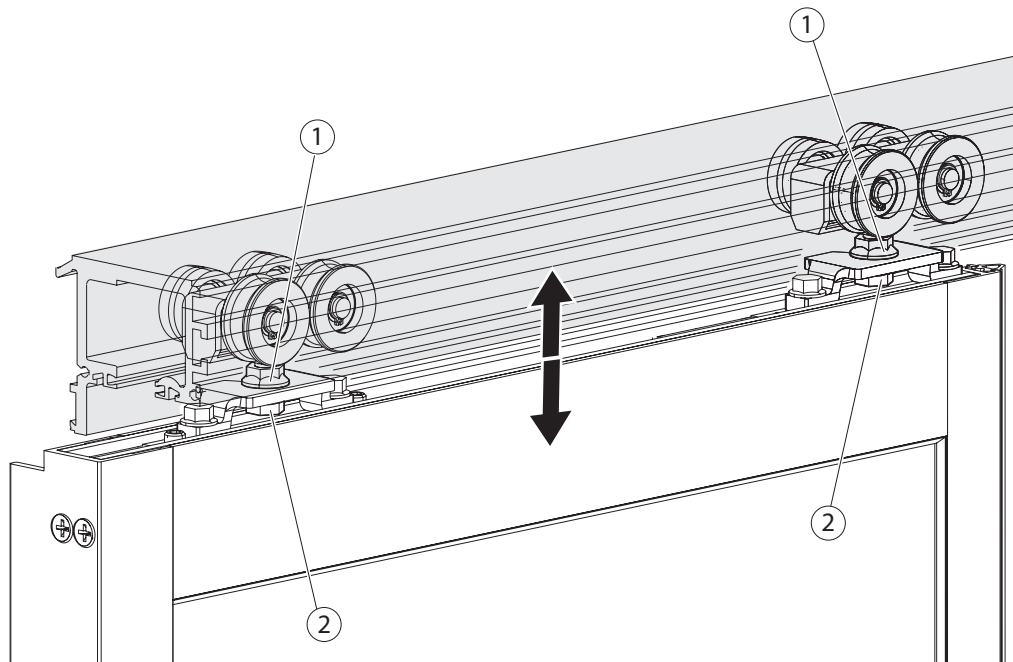
**WARNING!****Danger of crushing!****The moving leaves are still unsecured and move easily.**

- Ensure that the moving leaves are not moved accidentally or by unauthorised persons!



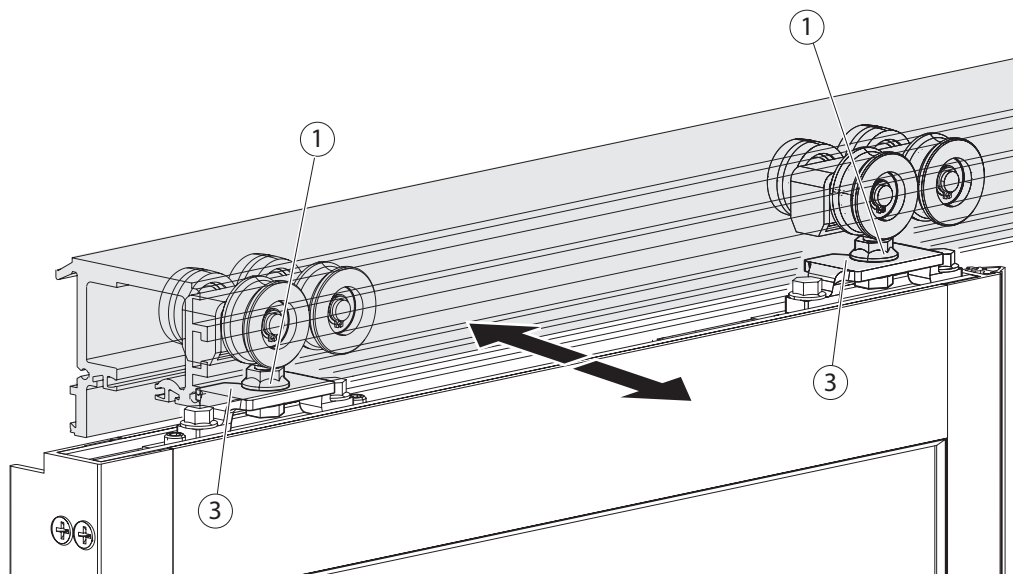
- Observe the applicable standards and guidelines on crushing, shearing and drawing-in spots.

- Undo locknut (1).

Adjusting the inclination and level of the moving leaves

- Adjust the inclination and level of the moving leaves using the hex of the suspension bolts (2):

Horizontal adjustment of the moving leaves



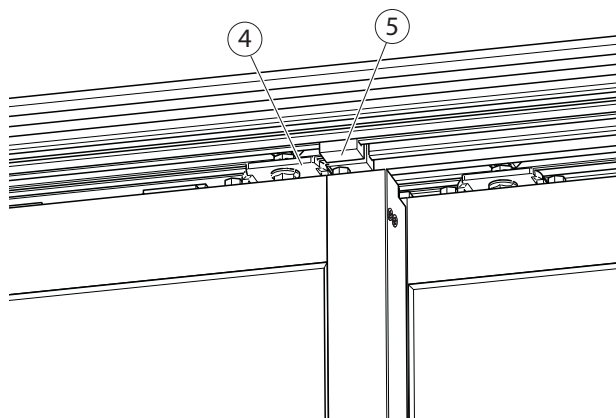
- ▶ Move the moving leaves horizontally in the leaf suspension (3).
- ▶ Make the individual moving leaf move smoothly.
- ▶ Align moving leaves flush with each other. Ensure the same level and parallel closing edges when doing so.
- ▶ Align moving leaves to maximum opening width.

Once all the moving leaves have been adjusted:

- ▶ Tighten locking nut (1) (torque 20 Nm).

Securing the moving leaves

- ▶ Fix the stop buffers (5) behind the outer roller carriage (4).



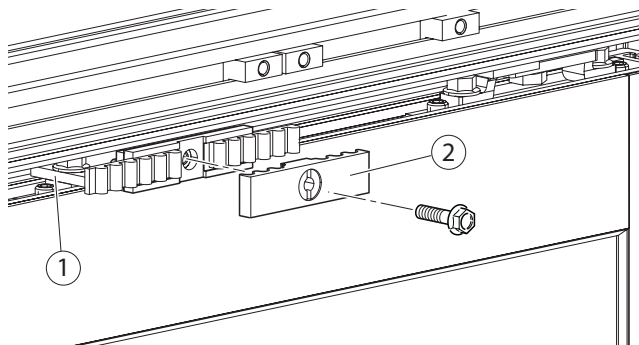
- ▶ Push the vertically adjustable strip with brush into the moving leaf until it snaps into place (see the assembly drawing for the Slimdrive SL moving leaf).
- ▶ Install guide rails in floor area (see installation drawing for Slimdrive SL moving leaf).
- ▶ Slide the moving leaves to the closing position.

4.5 Assemble drive components

4.5.1 Fitting the toothed belt

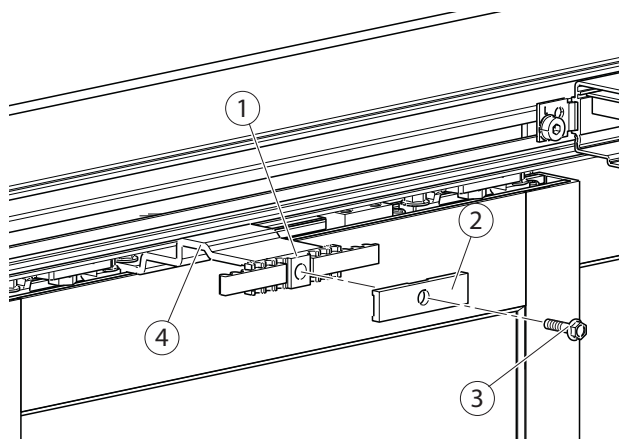
1-leaf

- Screw the toothed belt coupler (2) onto the short driver (1) (torque 10 Nm).



Additional step with 2-leaf systems

- Attach the toothed belt locking (1) using the screw (3) and counterplate (2) on the long driver (4) (torque 10 Nm).

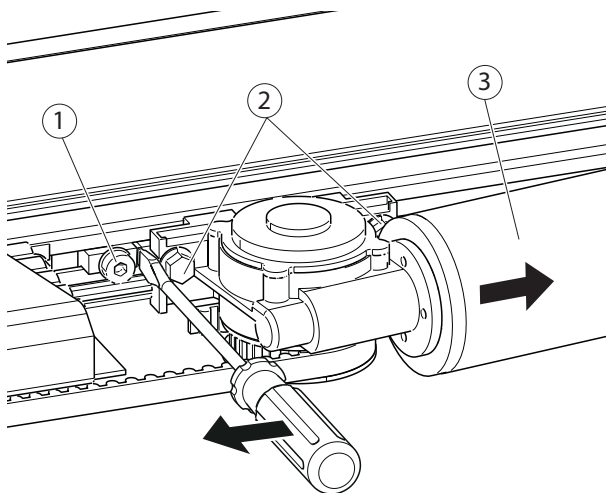


4.5.2 Tensioning the toothed belt



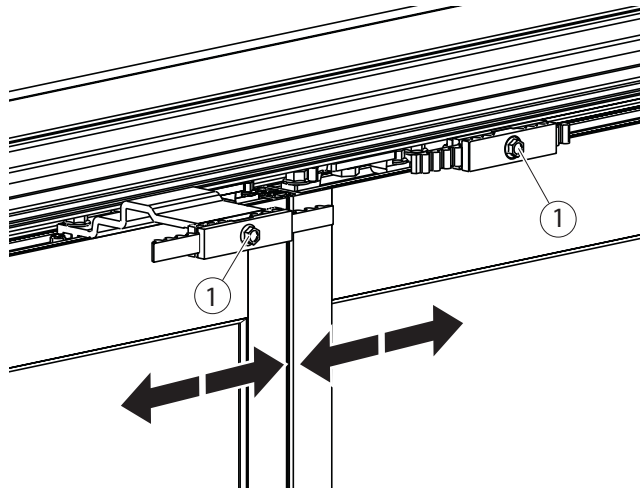
- The toothed belt must be pre-tensioned with $300\text{ N} \pm 35\text{ N}$ (see drive drawing).

- Undo 2 screws (2).
- Slide the motor gear unit (3) to the right by hand.
- Undo the screw (1) and move the sliding block in such a way that a slot-head screwdriver can be pushed between the sliding block and the motor gear unit.
- Tighten the screw (1) (torque 10 Nm).
- Push the slot-head screwdriver into the gap and lever it until the toothed belt is tensioned.
- Tighten 2 screws (2) (torque 15 Nm).



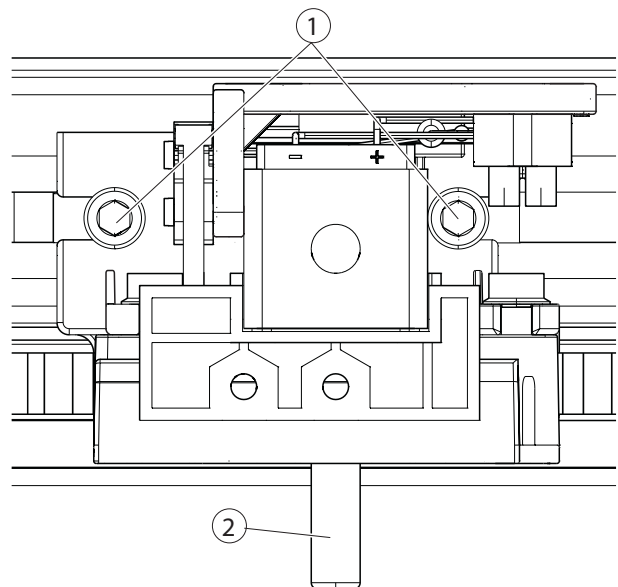
4.5.3 Adjusting the closing position (only 2-leaf)

- ▶ Loosen screws (1).
- ▶ Push the moving leaf into the closed position and align in the centre.
- ▶ Tighten the screws (1) when the exact closing position has been set (torque 10 Nm).



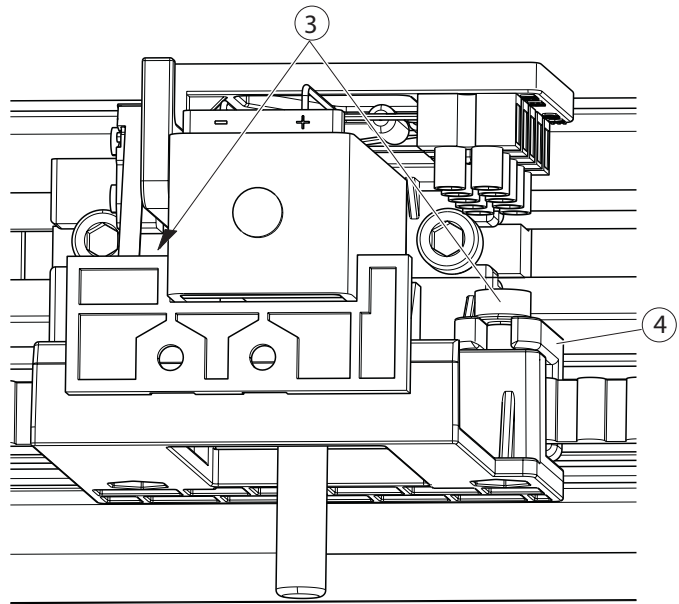
4.5.4 Position the tooth belt locking mechanism (Option)

- ▶ Close the moving leaves.
- ▶ Loosen the screws (1) at the toothed belt locking mechanism (Option).
- ▶ Align the locking device to the toothed belt.



Following installation the locking pin (2) must be positioned in the hole of the cover in such a way that the locking mechanism can be locked and unlocked.

- ▶ If necessary enlarge the drill hole.
- ▶ Tighten screws (1).
- ▶ Adjust the locking guide (4) so that the toothed belt neither touches nor has too much clearance. To do this, loosen 2 screws (3), move the locking guide (4) and re-tighten the screws (3) (torque 5 Nm).



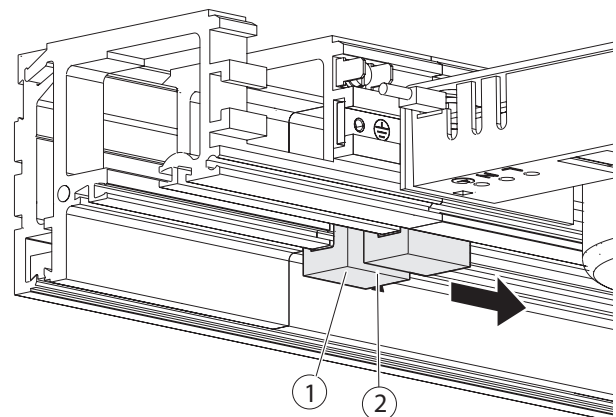
! The driver must not come into contact with the toothed belt locking mechanism (Option) during operation.

! ▶ After the toothed belt has been installed, check (click) the switching points of the indicator switches of the toothed belt locking mechanism (Option). Adjust by bending the actuator levers, if necessary.

4.5.5 Setting the stop buffer

! During installation, the rubber buffers must point in the direction of the middle of the track.

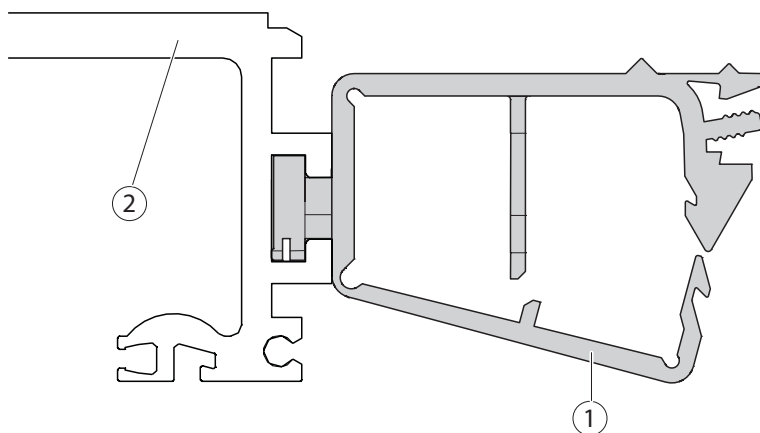
- ▶ Undo the setscrew (2) on the stop buffer (1).
- ▶ Slide the moving leaf to the open position.
- ▶ Slide the stop buffer (1) on the roller carriages.
- ▶ Tighten the setscrew (2) using the Allen key (torque 3 Nm).



4.6 Installing cable guides

**Cables can be cut!**

- Lay cables in such a way that there are no cables near the moving parts.



- Mount the cable guide (1) on the track (2), distance approx. 200 mm.

4.7 Connect the transformer ground



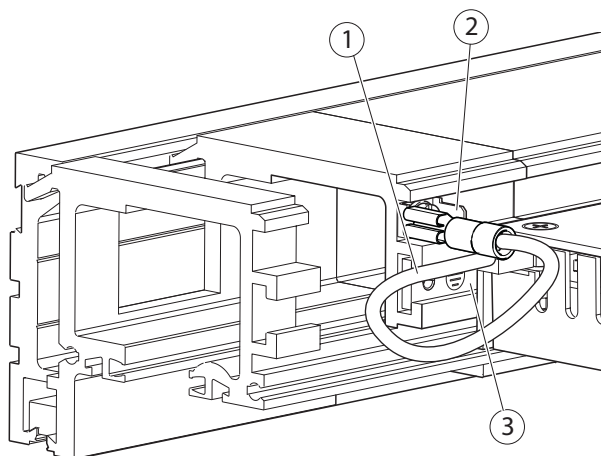
The track is not earthed if there is a poor connection between earthing rail (3) and track.

- Check whether the setscrews of the earthing rail (3) penetrate the anodised layer of the track.



The transformer must be positioned according to the drawing so that it covers the track sufficiently, thereby fulfilling electrical safety requirements.

- Connect the earthing cable (1) from the transformer to the device flat plug.



5 Production test and commissioning

5.1 Connecting the drive

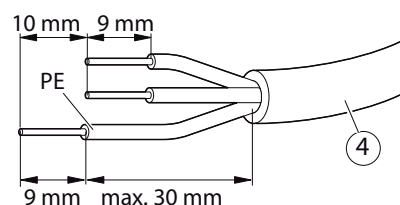
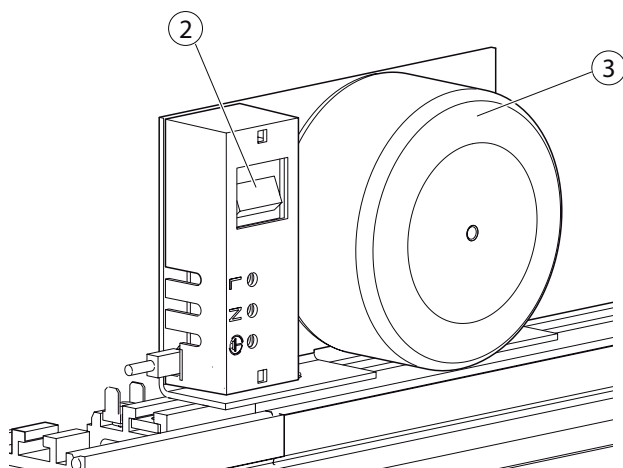


DANGER!

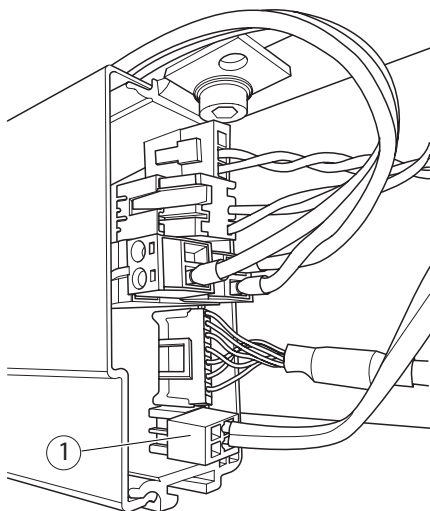
Risk of fatal injury due to electric shock!

- ▶ The electrical system (230 V) may only be connected and disconnected by a professional electrician.
- ▶ Carry out mains connection and earth conductor test in accordance with VDE 0100 Part 600.

- ▶ Strip insulation from the power supply circuit (4) max. 40 mm.



- ▶ Strip the mains cable (4).
 - Insulation stripping length 40 mm
 - Stripping length 9 mm
 - PE line lead 10 mm
- ▶ Connect the drive to the 230 V mains network.
- ▶ Switch the main switch (2) on at the transformer (3).
- ▶ Insert the rechargeable battery connector (1) at the control unit.



- ▶ Carry out the production test as described in the wiring diagram "Automatic sliding doors DCU1-NT/DCU1-2M-NT".

5.2 Installing the drive cover



WARNING!

Danger of injury!

People can be injured when handling the cover.

- ▶ Always make sure two people handle the drive cover.

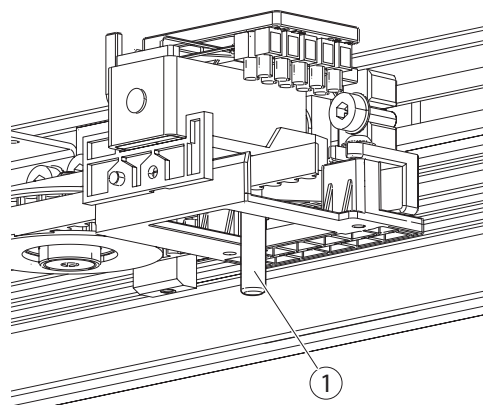


WARNING!

Danger of injury from falling cover!

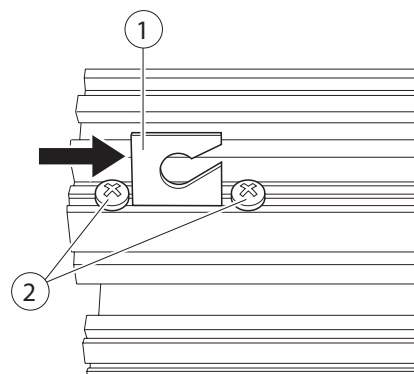
- ▶ Make sure that the cover is attached along the entire length of the track.
- ▶ Let go of the drive cover carefully and check whether it has been hooked in safely.

- ▶ Unscrew the locking pin (1) from the tooth belt locking mechanism (Option).



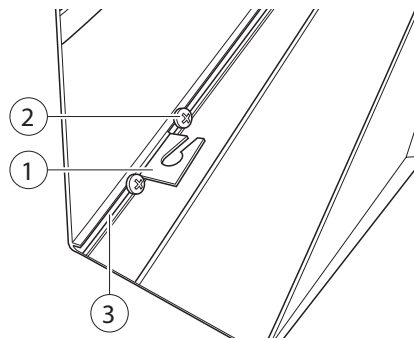
5.2.1 Mount the cover suspension piece

- ▶ Insert the suspension pieces (1) for the cover catch cables on the right approx. 1 cm from the edge of the track and on the left approx. 1 cm from the edge of the cap in the front groove.
- ▶ Screw it in using the enclosed oval head tapping screws (2).

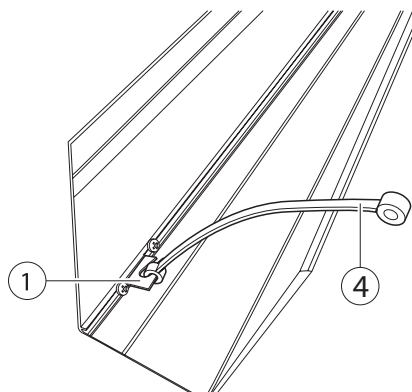


- ▶ Make sure there is enough space for the earthing after installing the suspension pieces (1) in the cover.

- ▶ Insert the suspension pieces (1) on the right and left each approx. 5 cm from the edge of the cover into the groove (3) on the cover.
- ▶ Screw on with two oval head tapping screws (2) each.

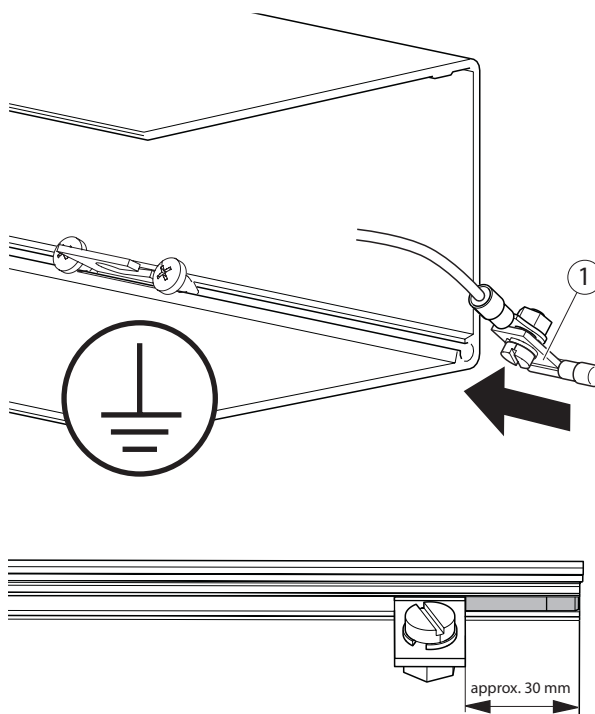


- Push the strings (rubber cable) (4) onto the mounted hook-in parts (1) of the cover.

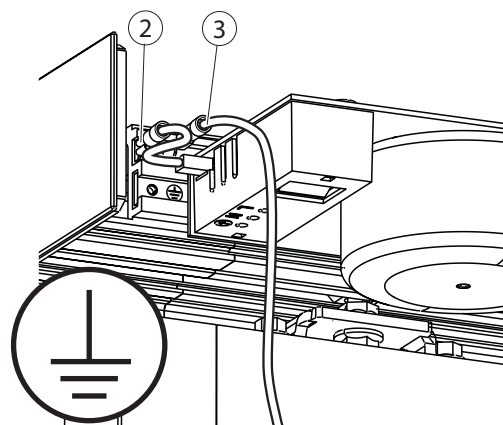


5.2.2 Fitting the cover earthing

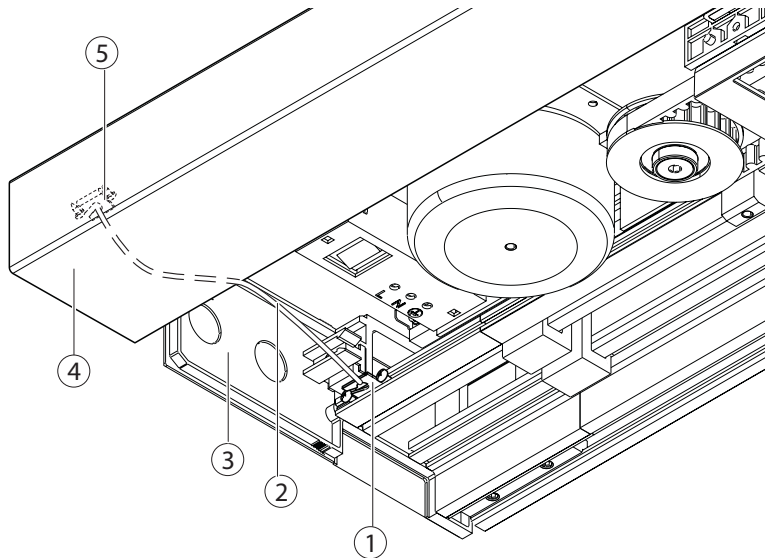
- Knock the locating pin for the cover earthing (1) on the side of the earthing approx. 30 mm into the upper screw duct.



- Connect the earthing cable (3) of the cover using the plug-in connection of the device flat plug (2).



5.2.3 Hook the cover catch rope in place



- ▶ Hook the cover catch rope (2) on the cover suspension piece (5) in the cover (4).
- ▶ Hook the cover safety rope (2) on the suspension piece (1) in the track.

5.2.4 Attaching the cover

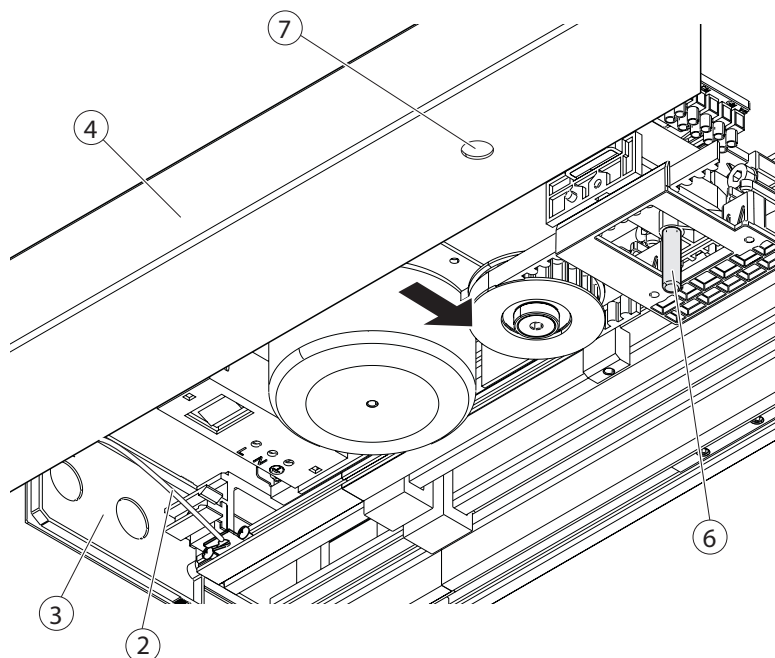


- ▶ Ensure that no cables are crushed or damaged.

- ▶ Slide the cover (4) onto the side panels (3) until it latches in and ensure that it is also seated correctly in the area of the track and cable guides.



- ▶ Check the correct position of the cover catch ropes (2) and the earthing wire. There must not be any contact with moving parts.



- ▶ Turn the locking pin (6) into the toothed belt locking mechanism (Option).
- ▶ If necessary, enlarge the drill hole (7) in the cover.

5.3 Mounting the safety devices



For information about connection and parameter setting of the safety sensors, and the inputs and outputs and on commissioning, please refer to the wiring diagram.

- ▶ Install safety and activation equipment.
 - ▶ Route cables properly in cable ducts.
- For electrical installation, see wiring diagram.

5.4 Installing operating elements/switches/push buttons

For electrical installation, see wiring diagram.



- ▶ Install the operating elements in such a way that users cannot stand in hazardous areas.

5.5 Commissioning the door system



For information about connection and parameter setting of the safety sensors, and the inputs and outputs and on commissioning, please refer to the wiring diagram.

5.5.1 Creating a log book

- ▶ Carry out a safety analysis.
- ▶ Record installed options in the safety analysis for the operator.

5.6 Dismantling



WARNING!

Danger of injury!

People can be injured when handling the cover.

- ▶ If the cover is more than 4 m long, always work in pairs when handling the cover.



CAUTION!

Danger of injury due to impact and crushing!

- ▶ Secure moving leaves against accidental movement.
- ▶ Disconnect rechargeable battery.

Dismantling is done in the reverse order of installation.

6 Service and maintenance

6.1 Mechanical service

6.1.1 Checking tooth belt tension

The tooth belt must not lift up from the motor gear or skip when braking and accelerating.

- ▶ If the tooth belt lifts or skips, set the tooth belt tension to $300 \text{ N} \pm 35 \text{ N}$.

6.1.2 Tensioning the toothed belt

See chapter 4.5.2.

6.2 Maintenance



CAUTION!

Danger of injury due to impact and crushing!

- ▶ Secure door leaves against accidental movement.
- ▶ Disconnect rechargeable battery.
- ▶ Disconnect mains voltage.



- Only genuine spare parts may be used.
- To ensure the functional ability, the wear parts of the sliding door system must be checked at every maintenance and replaced if necessary.



- The prescribed maintenance work on the sliding door system must be done by an expert:
 - at least once a year
 - or
 - when the service indicator on the programme switch lights up (see wiring diagram).
- Depending on the configuration, not all the wear parts listed are present.
- ▶ Provide test documents and keep them up-to-date.



The following table shows the recommended replacement intervals for spare and wear parts. The information is based on the manufacturer's recommendations under normal conditions; depending on the operating environment and application, shorter intervals may be necessary.

Wear parts present	Manufacturer's recommended replacement interval
Rechargeable battery	2 years
Roller carriage/track and track-supporting rollers	1.5 million cycles or 5 years
Cleaning and sealing brushes in the door system	2 million cycles or 5 years
Sealing rubbers	2 million cycles or 5 years
Toothed belt	2 million cycles or 5 years
Floor guide	1 million cycles
Deflection pulleys	2 million cycles or 5 years
Rubber cable	200,000 cycles or 1 year
Deflector for rubber cable	200,000 cycles or 1 year
Cleaning brush at the roller carriage	1 year
End buffer	2 million cycles or 5 years
Wire rope telescopic door	In case of wear or damage
Locking device	In case of wear or damage
Spare part	Manufacturer's recommended replacement interval
Motor gear unit	2 million cycles or 5 years
Cover fixing	In the event of damage



After completing the maintenance work, always execute the learning function for the door.

Maintenance work

Testing facility	Action	Comments
Track	Check for cracks	► Replace the track
	Check for cleanliness	► Clean the track
Roller carriage	Check the abrasion of the track rollers	► Remove the abrasion
Floor guide area	Check for jarring-free function	► Clean floor guide area
Floor guide area (brushes)	Check for soiling and hardness	► Clean or replace
Moving leaf	Check for smooth movement	► See chapter 7.1.1
Toothed belt	Check for wear & tear and damage	► If necessary, replace the tooth belt (see Chapter 4.5.1)
	Check tension	► If necessary, tighten the tooth belt (see Chapter 4.5.2)
	Check tooth belt locking mechanism (Option) for damage	► Re-position the tooth belt locking mechanism (optional) if necessary (see Chapter 4.5.4)
Toothed belt locking mechanism (Option)	Check function	► Re-position the tooth belt locking mechanism (optional) (see Chapter 4.5.4)
Screws	Check for tight fit	► Tighten the screws if (refer to drive drawing for torques)
Assembly groups and peripherals	Check for correct function	► Replace assembly group
Cables	Check for damage and correct fastening	► Fasten or replace cables

7 Troubleshooting

7.1 Mechanical faults

Cause	Remedy
Track bent	▶ Replace the track ▶ Check the installation surface
Moving leaf stiff	▶ Check the moving leaf (see Chapter 7.1.1)
Roller carriage jammed or defective, high abrasion on the track rollers	▶ Replace the track roller (see Chapter 7.2), clean the track
Toothed belt damaged	▶ Replace the toothed belt

7.1.1 Check moving leaf

- ▶ Disconnect the moving leaf from the tooth belt using the toothed belt locking.
 - ▶ Move the moving leaf and check for ease of movement.
- If moving leaves move easily:
- ▶ Check the motor gear unit and deflection pulley and replace if necessary.

7.2 Replacing roller carriage



WARNING!

Danger of injury caused by moving leaf falling over!

The moving leaves are very heavy.

- ▶ At least 2 people should work together to set up the moving leaves.

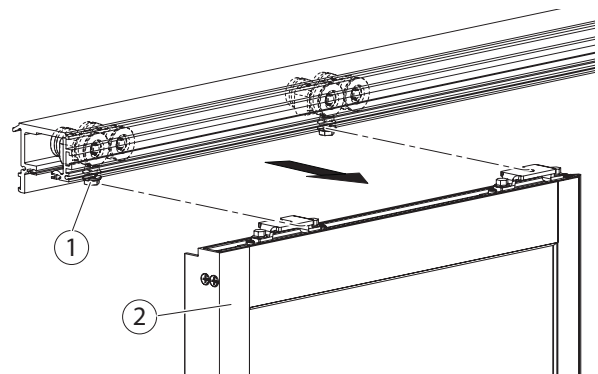


WARNING!

Danger of injury due to glass breakage!

- ▶ At least 2 people should work together to set up the moving leaves.

- ▶ Remove the cap, only unscrew sides plates if necessary.
- ▶ Loosen the driver from the toothed belt locking.
- ▶ Loosen lock nuts (1).
- ▶ Remove the moving leaf (2) and secure.
- ▶ Move the roller carriage out at the side.



7.3 Electrical faults



- ▶ For read-out instructions and a list of fault messages, see wiring diagram.

7.3.1 Replacing fuse in transformer

**DANGER!**

Risk of fatal injury due to electric shock!

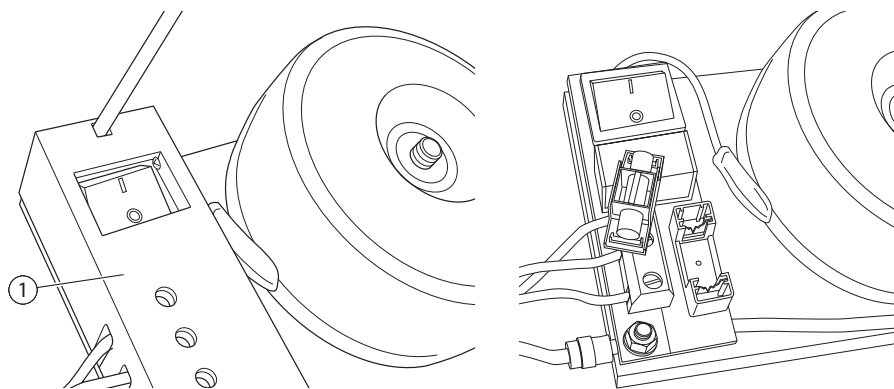
If the main switch on the transformer is activated, the fuse is still energised since it is upstream of the main switch.

The mains voltage 230/115 V must be disconnected from the mains upstream of the fuse.

- ▶ Disconnect the door system from the 230/115 V mains supply on site before removing the PCB cover (1) and secure against being switched back on again.



- ▶ You will find the fuse value on the wiring diagram.



- ▶ Insert a suitable screwdriver into the opening of the PCB cover (1) above the switch.
- ▶ Carefully press the end wall of the PCB cover upward with the tip of the screwdriver. This releases the snap catch.
- ▶ Remove the PCB cover (1).
- ▶ Pull the fuse holder forwards and off and replace the defective fuse.
- ▶ Attach the fuse holder.



- ▶ Do not trap the cable when setting the cover in place.

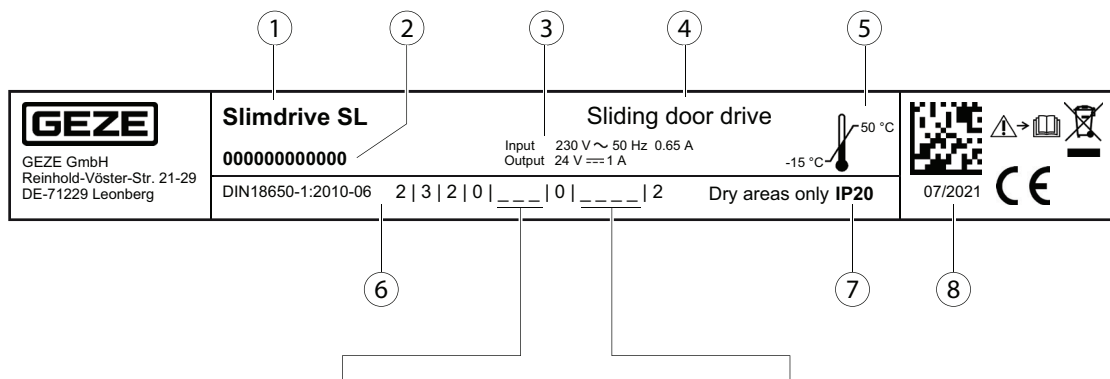
- ▶ Set the PCB cover (1) in place and clip on.

8 Drive nameplate



Only relevant in Germany and within the scope of validity of DIN 18650-1.

► Supplement classification code on the nameplate.



Safety devices on the drive (fifth character)

A distinction is made between three classes in terms of safety requirements:

- 1: Power limitation;
- 2: Connection to external safety systems approved by the drive manufacturer;
- 3: Low-energy mode.

Note: You may select multiple classes.

Safety at automatic door system – version/installation (seventh character)

A distinction is made between five classes of safety devices on door leaves:

- 0: No safety devices;
- 1: With sufficiently dimensioned safety distances
- 2: With protection against crushing, shearing and drawing-in of fingers;
- 3: With built-in turning fitting unit;
- 4: With sensor-controlled protective devices.

Note: You may select multiple classes.

- 1 Product name
- 2 Serial number
- 3 Electr. data
- 4 Machine category
- 5 Ambient temperature
- 6 Only relevant in Germany and within the scope of validity of DIN 18650-1: Classification code
- 7 IP rating
- 8 Date of manufacture

9 Inspection of the installed door system

9.1 Protective measures to prevent and protect from hazardous areas

- ▶ Check protective earth connection to all metal parts that can be touched.
- ▶ Perform a safety analysis (risk analysis).
- ▶ Check the function of safety sensors and movement detectors.

9.2 Installation checklist Slimdrive SL

No.	Test	in	On page	Completed
1	All cables laid correctly for the installation of the Slimdrive SL?	–	–	
2	Track mounted?	4.2	8	
3	Angled floor guide/continuous floor guide installed?	4.3	10	
4	Moving leaf installed?	4.4	11	
5	Drive components installed?	–	–	
6	Tooth belt mounted?	4.5.4	17	
7	Toothed belt locking mechanism (Option) and control unit connected?	5.15	26	
8	Safety devices mounted?	5.3	24	
9	Switches/push buttons installed and correctly connected?	5.4	24	
10	Programme switch installed?	5.4	24	
11	Transformer earthing installed?	4.7	19	
12	Earthing connections established?	5.2.2	22	
13	230/115 V connection established?	5.1	20	
14	Cover earthing connected?	5.2.2	22	
15	Supports for cover installed?	–	–	
16	Cover safety ropes fitted?	–	–	
17	Safety analysis carried out?	–	–	
18	Deviations of the door system checked in accordance with safety analysis?	–	–	
19	Are all components mounted in accordance with the following instructions:	–	–	
20	▫ Pre-mounting instructions Slimdrive SL	–	–	
21	▫ Installation instructions SL – girder section and side panel	–	–	
22	▫ Pre-mounting instructions profile system leaves and side panel	–	–	
23	▫ Installation instructions protective leaf for sliding door drives	–	–	
24	▫ Installation instructions safety leaf	–	–	
25	Addition to the type plate of the sliding door drive complete?	8	29	
	Notes:			
	▫ Only relevant in Germany and within the scope of validity of DIN 18650			
	▫ The type plate may only be attached to the sliding door drive if the assembly is checked for correct implementation according to GEZE specifications and using the check list.			

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